

CLAIM LISTING

1. (Previously Presented) A biocompatible polymer composition, suitable for *in vivo* vessel repair, comprising a matrix pre-polymer, a filler, a curing inhibitor, and a curing agent, wherein said composition has a viscosity of 2 000 to 12 000 cSt at 25 °C and wherein said biocompatible polymer composition is curable in the presence of a curing catalyst at 37 °C to form a cured material with an elongation until rupture of at least 5 % and an elastic modulus of at least 1 MPa.
2. (Previously Presented) Composition according to claim 1, wherein the viscosity of the biocompatible polymer composition is in the range of 3 000 to 10 000 cSt.
3. (Previously Presented) Composition according to claim 1, wherein said biocompatible polymer composition is curable in the presence of a curing catalyst at 37° C to form a cured material with an elongation until rupture of at least 10 %.
4. (Cancelled)
5. (Previously Presented) Composition according to claim 1, wherein the filler is a hydrophobic filler.
6. (Cancelled)
7. (Cancelled)

Claims 8-15 (Cancelled)

Claims 16-19 (Cancelled)

20. (Previously Presented) Method for treating an aneurysm in a blood vessel comprising the steps of:

providing a composition comprising a matrix pre-polymer, a filler and a curing agent, wherein said composition has a viscosity of 2 000 to 12 000 cSt at 25 °C and wherein said composition is curable in the presence of a curing catalyst at 37 °C to form a cured material with an elongation until rupture of at least 5 % and an elastic modulus of at least 1 MPa;

covering the inner wall of the blood vessel with an essentially cylindrical layer of the composition; and
curing the composition.

21. (Cancelled)

22. (Previously Presented) Method for repairing an aneurysm in an artery comprising the steps of:

providing a composition comprising a matrix pre-polymer, a filler and a curing agent, wherein said composition has a viscosity of 2 000 to 12 000 cSt at 25 °C and wherein said composition is curable in the presence of a curing catalyst at 37 °C to form a cured material with an elongation until rupture of at least 5 % and an elastic modulus of at least 1 MPa; and
forming a stent comprising the composition *in situ* inside the artery.

23. (Cancelled)

24. (Previously Presented) Method according to claim 20, wherein the aneurysm is an aortic aneurysm.

25. (Cancelled)

26. (Previously Presented) Composition according to claim 1, wherein the viscosity of the biocompatible polymer composition is in the range of 4 000 to 8 000 cSt.

27. (Previously Presented) Composition according to claim 1, wherein said biocompatible polymer composition is curable in the presence of a curing catalyst at 37° C to form a cured material with an elongation until rupture of at least 25 %.